



Public Safety Interoperable Communications Office (PSIC)
Multiple Projects Updates
March 13, 2012

***Presented to the
Statewide Interoperability Executive Committee (SIEC)***

Key Matters

- PSIC is seeking another project manager and an interoperable communications subject matter expert. Interested parties should contact Justin.turner@azdoa.gov.
- Arizona has been awarded three Technical Assistance (TA) awards for 2012:
 - **APPROVED:** TICP Development Support (TIC-WKSP)
 - **APPROVED:** Training and Exercise Plan Workshop (OP-TEPW)
 - **APPROVED:** Regional Communications Enhancement Support – Strategic Communications Migration Plan (RCES-SCMP) – Phoenix UASI Request
 - **DEFERRED:** Mobile Communications Vehicle Support (OP-MCVS)
 - **DEFERRED:** Auxiliary Communications Workshop (SPCL-AUXCOMM)
- Key Upcoming Events
 - May 22nd: SCIP Implementation Workshop – Strategic Planning (See below)
 - Upcoming COML Classes (<http://www.azpsic.gov/library/coml/training.htm>):
 - Cochise County – Sierra Vista, April 2-5, 2012: ERMA #1001883
 - Gila County – Globe, April 16-19, 2012: ERMA #1001884
 - Coconino County – Flagstaff, April 30 – May 3, 2012: ERMA #1001900

Governance (SCIP Initiatives #1 - 3)

- Arizona SCIP: The annual review and update to the Statewide Communications Interoperability Plan (SCIP) will focus this year on developing action plans for implementation of key strategic initiatives. The PSIC Office, in conjunction with the Office of Emergency Communications (OEC), will be hosting a SCIP Implementation Workshop on May 22, 2012 that evaluates what we have learned from the NECP Goal One and Two processes, analyzes gaps, and evaluates alternatives in order to develop a streamlined actionable SCIP.

Our Planned Schedule for SCIP Updates is as follows:

February - March: Interviews with key State and local personnel & data gathering

Draft SCIP to PSCC, SIEC and public for review and comment:

<u>Draft Distributed</u>	<u>Comments Due By</u>
March 28th	April 12th
June 4th	June 21st

April 17: Review and Discussion with PSCC

May 8: Review and Discussion with SIEC

May 22n: SCIP Implementation Workshop – Strategic Planning

Carnegie Center (main floor); 1101 W. Washington St;
Phoenix, AZ 85007
(602) 926-3604

June 28: Final Draft SCIP distributed to all stakeholders

July 17: PSCC Action Item for Updated SCIP Approval – PSCC Meeting during Law Enforcement Pow-Wow, Flagstaff

- NECP Goal Two Assessments:
 - All 13 Counties were assessed in 2011. All 13 After Action Reports (AARs) are final and have been delivered to the appropriate County Emergency Managers.
 - The *Arizona Compendium of Findings and Recommendations from National Emergency Communications Plan (NECP) Goal 2 Observations* was presented at the February 14th PSCC meeting and at today's SIEC meeting (see presentation). The compendium was also distributed to all County Emergency Managers and is available online at <http://www.azpsic.gov/library/necp/>.
 - Arizona was one of 22 States that submitted complete NECP Goal Two responses by the October 31, 2011 deadline. Goal Two performance and capability data for other US counties is still being gathered by Federal DHS.
- CASM & TICPs:
 - The PSIC Office continues to encourage submission of Communications Asset Survey & Mapping (CASM) information (through County Emergency Managers) until March 30, 2012, to target data from specific areas within each county that did not submit information when Goal 2 data was collected.
 - An Arizona specific CASM User Account Request / Approval Form (for CAM Only Access) is available on the PSIC Website: <http://www.azpsic.gov/library/casm/>.
 - Phoenix UASI TICP Update & TIC-FOG Development – This effort has evolved into the Arizona Central Region Tactical Interoperable Communications Plan (TICP) and the corresponding Arizona Central Region - Field Operations Guide (ACR-FOG). Significant progress has been made on updating the TICP information and the group has developed the first 2 drafts of the FOG. A final meeting was held on Feb 16th, 2012 to incorporate missing information and to finalize what information should be included in the FOG format. Delivery of the final TICP and TIC-FOG are anticipated by the end of March.
 - A follow-up workshop for the Coconino County TICP was held on January 26, 2012 with approximately 30 attendees. Significant progress was made on the policies and procedures sections. They plan to have the TICP ready for countywide approvals by early April.
 - La Paz County received a TA award to develop a TICP which documents interoperable communications governance structures, technology assets, and usage policies, and procedures. A kickoff meeting for this effort will be held on Wednesday, May 9, 2012 from 9am to 4pm. For more information, contact Justin Turner at jturner@azpsic.gov.
- National Broadband Monitoring:
 - OEC sent out a [summary of the national Public Safety Broadband Network \(PSBN\)](#) and related communications and spectrum provisions of Title VI of the *Middle Class Tax Relief and Job Creation Act of 2012*, signed by the President on February 22. Key provisions of Title VI include:
 - Reallocation of the 700 MHz D Block to public safety
 - Establishes “FirstNet” within the NTIA to oversee the development and execution of the NPSBN
 - Authorizes the FCC to conduct incentive auctions to raise \$7 billion for building and managing the PSBN
 - Provides additional auctions revenues for Federal research and development on public safety technologies
 - Ensures that Federal responders are able to access the NPSBN.
 - PSIC continues to participate on the NPSTC “Priority and Quality of Service” and the “Local Control” Working Groups, as well as the Public Safety Spectrum Trust – Operator Advisory Committee (PSST-OAC).
 - PSIC attended the National Public Safety Telecommunications Council (NPSTC) Quarterly Meeting at IWCE, Las Vegas, NV Feb 24, 2012 and the Public Safety Communications Research (PSCR) meeting in Boulder, CO Mar 5-8, 2012.
 - For more information on Broadband issues, see today's presentation or contact Michael Britt at mbritt@azpsic.gov

SOPs (SCIP Initiative #4)

- The PSIC Office will be facilitating review by the SIEC and update of minimum equipment standards (which have not been reviewed since January 2007). An update was provided to the SIEC at its January 2012 meeting (see presentation for details). For additional information, or to provide input, contact Michael Britt at mbritt@azpsic.gov
- Regional Communications Systems Connection (RCSC) Project Status:
 - Executive summary and technical timeline – complete
 - Multi-agency IGA – complete pending approval by TRWC on March 19
 - Multi-agency SOP – complete
 - Pilot test with DPS and YRCS – in progress
 - Deployment Schedule – to be developed

Technology (SCIP Initiatives #5 - 9)

- AIRS (Initiative #5):
 - Radio Frequency drive test of all three bands of the AIRS system covering nearly 4000 miles of Arizona highways was conducted December 5 - 15, 2011 utilizing a Technical Assistance (TA) award from OEC/ICTAP. Results from the drive test were reviewed at today's SIEC meeting (see presentation).
 - Long Mesa Suite was installed in AIRS Region 3 and Jacob Lake Suite was installed in AIRS Region 2.
 - Next Generation AIRS Plan Development – Work to commence in 2012.
- Support of Regional Communication Systems (Initiative #6) – YRCS BIDP:
 - The Environmental and Historic Preservation (EHP) regulatory compliance review was completed and approved on January 26; procurement of equipment is now proceeding.
 - A request for technical assistance to update the Yuma countywide TICP was approved by OEC in January; a TICP kick-off workshop will be held in late April or May.
 - Development of a Tactical Interoperable Field Operations Guide (TICFOG) including material from the updated TICP has also been requested.
 - For more information contact Stephen Holland, Assistant IT Director of Telecommunications with the City of Yuma at Stephen.Holland@yumaz.gov.
- State Agency Operability in support of Interoperability (Initiative #9) – the RICO Project is progressing. Site Installation is underway: Five of six sites have been activated. A Memorandum of Understanding (MOUs) and procedures for agencies to utilize the expanded system are being developed.

Training & Exercise (SCIP Initiatives #10 & 11)

- AIRS Training – on-going, as requested
- COML / COMT Training (see today's SIEC presentation)
 - Additional All-Hazards COML Training Courses have been scheduled by PSIC utilizing IECGP funds. Qualified participants must enroll through ERMA: www.erma.az.gov:
 - Cochise County – Sierra Vista, April 2-5, 2012: ERMA #1001883
 - Gila County – Globe, April 16-19, 2012: ERMA #1001884
 - Coconino County – Flagstaff, April 30 – May 3, 2012: ERMA #1001900
 - The second COMT course to be offered in the State will be held in Maricopa County in April 2012 utilizing SHSGP 2011 funding.
- COML Field Day (see today's SIEC presentation) – Planning continues for a Training Field Day to provide additional training to interested COML candidates. The Field Day was originally targeted for spring delivery, but may be postponed to a date later in the year due to procurement delays, as well as weather and wildland fire season. For more information contact Suesan Nordman at snordman@azpsic.gov.

- Arizona Regional All-Hazards COML Recognition – NIMS-CU Workgroup presented today on recognized individuals who have been added to the Resource List (online at: www.azpsic.gov/library/coml):
 - Alan Jensen, City of Tempe Fire Department
 - Jerry Justus, Arizona Division of Emergency Management
 - Gary Rose, 161st Air Refueling Wing
 - Dan Wills, Arizona State Forestry Division

Usage & Outreach (SCIP Initiative #12)

- PSIC staff attended the International Wireless Communications Expo (IWCE) in Las Vegas, NV, February 20-24. See the IWCE Report attached to this document.
- Statewide Education and Outreach Plan Regarding Public Safety Communications Interoperability ("Outreach Plan") – The annual review of the plan is already underway for this year's update. PSIC is currently gathering feedback and welcomes all [stakeholder input](#).
 - The 2011 Outreach Plan is available online at: www.azpsic.gov/initiatives/
 - The following targeted interoperability topics are being considered for inclusion in the 2012 Outreach Plan:
 - FCC Narrowbanding Compliance
 - NECP Goal Two Gap Closure
 - Regional Planning, TICPs and SCMPs
 - National Public Safety Broadband Network
 - Please send comments to psic@azpsic.gov by March 31, 2012.

Recent Activities

January 11 - 12 – Arizona Ambulance Association Annual Membership Meeting
 January 16 – State Holiday (MLK Jr. / Civil Rights Day)
 January 19 – AESA Mid-year Conference (Prescott Valley, AZ)
 January 23 – AZDOHS Grant Information Seminar (Glendale)
 January 24 – Introduction to Public Safety Project Management Training Course (Phoenix, AZ)
 January 25 – AZDOHS Grant Information Seminar (Flagstaff)
 January 25 - 26 – Southwest Border Communications Working Group Meeting (San Diego, CA)
 January 26 – Coconino County TICP Development Workshop
 January 27 – AZDOHS Grant Information Seminar (Tucson)
 February 7 - 10 – FEMA Sponsored COML Course (Glendale)
 February 8 – Sky Harbor Triennial Exercise
 February 14 – PSCC Meeting (Phoenix)
 February 20 – State Holiday (President's Day)
 February 20 - 24 – International Wireless Communications Expo (Las Vegas, NV)
 February 21 – Comments due to psic@azpsic.gov for 2012 review of Statewide Education and Outreach Plan
 February 24 – NPSTC Quarterly Meeting (Las Vegas, NV)
 February 29 – Palo Verde Annual Full Scale Exercise
 March 2 – Homeland Security Grant Applications due to AZDOHS no later than 5 PM
 March 2 – Pima County OEMHS Southern Region Multi-Year Training and Exercise Meeting
 March 5 - 8 – PSCR Broadband meeting (Boulder, CO)
 March 6 - 7 – 6th Annual Border Security Expo (Phoenix Convention Center)
 March 13 – SIEC Meeting (Phoenix)

Upcoming Key Dates

March 20-21 – Arizona/Sonora Emergency Preparedness Task Force Meeting & Knowledge Exchange (San Luis Rio Colorado, Sonora Mexico)
March 28 - April 12 – Draft SCIP - first review and comment period
April 2 - 5 – COML Course (Sierra Vista)
April 16 - 19 – COML Course (Globe)
April 17 – PSCC Meeting (Phoenix)
April 25 – Southwest Border Communications Working Group Meeting (Yuma)
April 30 – May 3 – COML Course (Flagstaff)
May 3 – Maricopa Regional Strategic Communications Plan Development Workshop
May 8 – SIEC Meeting (Phoenix)
May 9 – La Paz County TICP Kickoff Workshop
May 22 – Statewide SCIP Implementation Workshop (Phoenix)
May 28 – State Holiday (Memorial Day)
June 4 - 21 – Draft SCIP - second review and comment period
June 5 – Maricopa Regional Strategic Communications Plan Follow-up Workshop
June 11 - 15 – SAFECOM / NICSWIC / NENA Conference (Los Angeles, CA)
July 17 - 20 – Annual Law Enforcement Pow Wow (Flagstaff)

Next PSCC Meeting – April 17th (1 to 3 PM)

ADOA 3rd Floor Conference Room - 100 N. 15th Avenue; Phoenix, AZ 85007

Next SIEC Meeting – May 8th (10 AM to 12 PM)

ADOA 3rd Floor Conference Room - 100 N. 15th Avenue; Phoenix, AZ 85007



**INTERNATIONAL WIRELESS COMMUNICATIONS EXPO (IWCE)
FEBRUARY 20 – 24, 2012**

Report to SIEC - March 13, 2012

PSIC Office Attendees:

Michael Britt, PSIC Project Manager

Suesan Nordman, PSIC Project Manager

IWCE includes a conference program of training, workshops and sessions on communications technologies and applications. This year, the exhibit hall included over 330 companies demonstrating the hardware, networks, applications, interoperability and integration that drive communications systems. Below are highlights from the conference related to communications interoperability.

Opening Keynote Address

Martin Cooper, “Inventor, Entrepreneur, Futurist”

- Wireless communications pioneer; conceived the first portable cellular phone in 1973 and is widely recognized as an innovator in spectrum management; also serves on the US Department of Commerce Spectrum Advisory Committee that advises the President on spectrum policy.
- Spoke about cellular telephony and the digital revolution, as well as transformation in the areas of healthcare, poverty and educational systems.
- Improvements in communication will be driven by the applications that are developed and utilized, not by the technology (which provides the tools, such as smart antennas and LTE).

Post Keynote Broadband Update (Unscheduled)

Harlin McEwen, Chair, Public Safety Spectrum Trust (PSST)

- President Barack Obama is expected signed into law the payroll-tax-cut extension legislation, which reallocates the 700 MHz D Block spectrum to public safety and provides \$7 billion in federal funding to help pay for the buildout of a nationwide LTE network for first responders. *Note: The bill was signed that day (February 22, 2012).*
- Public-safety officials supported legislation that would have dedicated \$11 billion for the build out of the Public Safety Broadband Network (PSBN), but that funding was reduced to \$7 billion. No one really knows how much the network is going to cost, but it will require more than that. Government must significantly invest, although federal funding alone is not going to do the job. It's going to take public-private partnerships partnering with commercial carriers and vendors.
- The bill provides for the administrator, the National Telecommunications and Information Administration (NTIA), to borrow up to \$2 billion from the Treasury to initiate efforts, so that implementation is not delayed.

- The bill also requires give-back of spectrum: Congress insisted the T-band be scheduled for reallocation in 9-10 years, which will be a challenge for some major urban areas that have systems on that spectrum, thus showing that Congress doesn't fully understand the importance of public safety and the need for multiple bands. Public Safety did not support this, and it will impact 45 agencies at a cost of approximately \$80 million, which will hopefully be reimbursed.
- The vision for the future is that there will be a single nationwide network, as laid out in legislation, made up of 1 or more cores. States have been given a significant role in the development and governance of the network. Grants will go to the states.
- Bill requires creation of the new First Responder Network Authority (a.k.a. "FirstNet"), which will consist of 15 board members (3 federal members, including the Attorney General, the Secretary of Homeland Security, and the Director of the Office of Management and Budget; and 12 members appointed by the Secretary of Commerce, including a minimum of 3 public safety representatives and 3 state/local government representatives).
- The bill sets forth several deadlines, including the following:
 - Within 30 days of signing, a technical advisory group must be appointed
 - Within 90 days of signing, the technical advisory group must submit technical specs the commission (these specs will go to the First Responder Network Authority).
 - Within 180 days of signing, appointments must be made to the First Responder Network Authority.
- A traditional spectrum auction will be conducted. The Federal Communications Commission (FCC) will take action and authorize scheduling.

Conference Session: Interoperable Communications for Planned Events

Robert W. Sisley, Police Sergeant (Retired), Miami-Dade Police Department

- The goal of interoperable communications is to support Operations by providing for the transference of information between authorized parties.
- Described methods of communications interoperability, including radio swapping, radio system patching, common mutual aid frequencies, and Joint Operations / Unified Command Centers, among others.
- Discussed the roles and responsibilities of the Communications Unit Leader (COML), including pre-event planning, event tips and post-event duties and presented case studies for Super Bowls XLI & XLIV.
- Important message for developing the Communications Plan: use what is necessary and practical; do not let technology over complicate it.
- Mentioned the need for a COML course for dispatchers and dispatch supervisors.

Joint Keynote Address: LMR/LTE Vision for the Future

Three manufacturers provided their vision for the future and discussed potential roadmaps to getting there.

Michael Prout, Vice President of Security Transportation Systems (STS), Raytheon Company

- LTE Technology should be:
 - Non-proprietary
 - Open architecture
 - Standards-based
 - In compliance with the national model
 - Customer owned with customer input
 - Interoperable

Dennis Martinez, CTO, Harris Public Safety and Professional Communications

- There are four areas that are significantly impacting the future direction of technology:
 1. Broadband Mobility (access to information anytime and anywhere)
 2. Cloud Computing (unlimited processing and storage capacity)
 3. Social Media (human collaboration is driving social and economic change)
 4. Applications (how the above are used)
- Cyber threats will be a significant threat to our society and welfare
- Success of technology will be defined by: intuitiveness; security; availability; and affordability.

Bob Schassler, Senior Vice President, Radio Solutions, Motorola Solutions

- Smart devices are driving the Broadband explosion, and Public Safety is adapting well to this wireless world.
- Public Safety Operations Continuum:


Citizen / Circuit / Dispatch / Radio / Responder

- 2 major focus areas will be next generation 911 (Emergency Services IP Network) and narrowband data.

COML Awareness Workshop

Moderator: Chris Baker, P.E., Fire Captain-Paramedic / Lead Fire Investigator, City of Roseville Fire Department. Panelists: Chris Essid, Director of the Office of Emergency Communications (OEC), Department of Homeland Security (DHS); John E. Peterson, COML/COMT Training Coordinator, DHS OEC; Jason Mathews, Corporal, Lake County FL Sheriff's Department; Robert W. Sisley, Police Sergeant (Retired), Miami-Dade Police Department; Donald Stabler, Battalion Chief, Cordelia Fire District; Rick Smith, Captain/Communications Coordinator, Santa

Maria Fire Department and RS Communication Consultants; and Kody Kerwin, Communications Chief, Contra Costa Fire Protection District.

This workshop provided an overview of the Communications Unit Leader (COML) position and capabilities for first responders, incident management staff, and other persons involved in emergency management and planning. There was also discussion of future updates to the COML and Communications Unit Technician (COMT) programs at the federal and state levels.

- The All-Hazards COML training program is one of the most popular and successful programs developed by OEC. The fact that over 4000 individuals have completed the training course is largely due to the fact that the training was developed by practitioners.
- The COML is responsible for the operational and technical aspects of incident communications. His/her critical duties include:
 - Participating in the planning process
 - Developing the Incident Communications Plan (ICS form 205)
 - Managing all communications resources to support the operational objectives
- Currently, through a combination of efforts by OEC and the Emergency Management Institute (EMI), stakeholder workgroups are working to update multiple courses:
 - COML – Last year, EMI took over the offerings for this course and extended the course length from 3 to 4 days. However, the curriculum may be reduced to the original length of 3 days. This is still under consideration and will require review by EMI for approval of any updates to the curriculum.
 - COMT – The course is currently 5 days in length and is offered through Technical Assistance. The curriculum may be reviewed and updated in the future, although it is not yet FEMA approved.
 - COML and COMT Train the Trainer (T-t-T) – Although the program for these offerings had transitioned to EMI in 2011, it is being returned to OEC. New curriculum for each course is under development. Beta tests of the new COML T-t-T curriculum, which was updated for technical accuracy, are underway. Note: Requirements to become a COML or COMT T-t-T instructor may change.
 - Auxiliary Communications (AUXCOMM) – OEC recognizes volunteer emergency communicators as a potentially valuable, reliable, and cost-effective resource. This training offering was new in the 2011 TA Catalog, and it has been revised for 2012.
 - The intensive 2-day course is designed for newly assigned auxiliary emergency communicators (AuxComm) or groups who provide backup radio communications support for public safety agencies (such as ARES, RACES, REACT, MARS, and SATURN).
 - Prerequisites for attendance include:
 - Completion of IS-100; IS-200, IS-700, and IS-800
 - General class FCC license or above
 - Past experience in auxiliary emergency communications
 - A desire to learn how to work with COMLs in a NIMS/ICS environment
 - OEC hopes to develop a position-specific AUXCOMM Taskbook in the coming year.
- Lack of knowledge about the National Incident Management System (NIMS) Incident Command System (ICS) and lack of understanding of the role of the COML generally result

For additional information, please e-mail psic@azpsic.gov.

in an inefficient response and utilization of resources during an event or incident. To reduce this, it is important for jurisdictions to:

- Support involvement of qualified personnel in planned events;
 - Offer COML & COMT training courses; and
 - Encourage involvement of auxiliary and NGO communications resources through training (such as deployment exercises and field days).
- Training for dispatchers and dispatch supervisors was advocated. It is important for the COML to consider developing essential skills for all personnel roles within the Communications Unit. For example, the Radio Operator (RADO) and Incident Dispatcher (INDI – unique to California and Florida) positions provide the opportunity to place dispatchers in the field so they may observe and participate in events to expand their skills and acquire operational knowledge which will bring more understanding and a higher level of awareness to the console.
 - Training for end-users was also advocated, due to the growing need to offer basic radio instruction to responders to ensure better understand the ever-changing modern technology that they are expected to use in the field. There is currently no timeline for when a curriculum will be developed and approved at a state or national level.

General Session: Technology, Governance and Funding: The Challenges of Building a Nationwide Broadband Network

Moderator: Donald Jackson, Senior Writer, Urgent Communications. Panelists: Harlin McEwen, Chair, PSST; Anna Gomez, Deputy Administrator, NTIA; Dereck Orr, Program Manager, NIST Office of Law Enforcement Standards (OLES); Chris Essid, Director of OEC, DHS; Robert LeGrande, Former CTO, Washington, D.C. and Founder, The Digital Decision, LLC; and Richard Mirgon, Past President, Association of Public-Safety Communications Officials (APCO).

This session examined the impact of the new legislation for the nationwide broadband network for public safety and contemplated governance and funding for the build-out and the network.

- Legislation that was signed: H.R. 3630 Middle Class Tax Relief and Job Creation Act of 2012: Title VI—Public Safety Communications And Electromagnetic Spectrum Auctions.
 - Friday, February 17, 2012: Senate approved 60 yes to 36 no; House approved 293 yes to 132 no.
 - Creates the Public Safety Broadband Network (PSBN)
 - Authorizes creation of single nationwide PSBN
 - Reallocates the D Block spectrum to public safety
 - Establishes First Responder Network Authority
 - Establishes \$7 billion public safety trust fund
 - Establishes state and local implementation rules and grant program
 - Requires public safety T-Band reallocation

- The single nationwide PSBN will need to cover more area than all of the Tier 1 cellular companies. This will be a collaborative process which will require the creation of a solid testing / evaluation scheme for the nationwide network.
- There is currently no timeline for roll-out. Since this is going to be such a huge project, it is difficult to predict when the system will be totally built out.
- \$100 million is to be spent over a 10-year period to support research and development of standards (for the National Institute of Standards and Technology [NIST]) to ensure public safety requirements are incorporated in the commercial standards that are leveraged for the network. The system should have an open standard that should allow for a multi-manufacturer environment.
- Regarding procurement: First Net will have the flexibility and authority to determine how deployment will be handled. The build-out of the network will be done using public and private partnerships in the most economical way.
- A nationwide governance structure is essential to the success of this undertaking. A success measure in 10 years will be the percentage of local/state governments that adopt the nationwide network. (How the waiver recipients will be integrated into the system is yet to be seen; both governance and system architecture will impact this.)
- It will be important to consider how to ensure application interoperability, as well as which body will enforce requirements. This issue will be considered during the research and development phase. The legislation requires creation of an application interface standard, so the vision is to have an application “store”: there will be some minimum standard for required applications and others may be chosen by agencies.
- Federal coordination is taking place through the Emergency Communications Preparedness Center (ECPC), which is made up of 14 federal departments / agencies, to offer broadband grants.
- OEC has been collecting broadband requirements from DHS component offices. OEC support for state and local activities includes:
 - Stakeholder Engagement and Facilitation: working with waiver jurisdictions; SAFECOM; Statewide Interoperability Coordinators
 - Broadband Planning: SCIPs, SCIP Implementation Workshops
 - Technical Assistance: Wireless broadband offering and pilot sires
 - Grant Guidance: Coordination of uniform grant guidance
- OEC developed the Public Safety Communications Evolution brochure to: help educate the public safety community and elected and appointed officials about the future of emergency communications; describe the evolution of emergency communications and how traditional land mobile radio (LMR) communications used today may converge with wireless broadband in the future if specific requirements are met; and further discuss some of the most important requirements that must be met to achieve the desired long-term state of convergence. It is available online at:
<http://www.safecomprogram.gov/library/lists/library/DispForm.aspx?ID=330>.

- There is still no timeline on delivery of the revised National Emergency Communications Plan (NECP) as of yet. The desire is to update it this year. It is one of OEC's "top priorities" since states are updating their SCIPs, which should be in-line with the NECP.
- As was done during the creation of the original NECP—and now that legislation has passed—OEC will leverage the expertise of SAFECOM and others to collect and review input.

NPSTC Quarterly Committee Meeting at IWCE

Meeting materials for the February 24, 2012 meeting are posted online at:
<http://www.npstc.org/archivedMeetings.jsp>.

Exhibit Floor

Suppliers showcased the latest products and services in the communications technology marketplace, including: LMR and wireless infrastructure, repeaters, antennas, multi-band radios and peripherals.

Among the extensive technology offerings, several LTE demonstrations were given on the conference floor by Alcatel Lucent, Cassidian, Harris, Motorola, Raytheon and Verizon.